

Date: Fri, 10 Dec 93 04:30:24 PST
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V93 #138
To: Ham-Ant

Ham-Ant Digest Fri, 10 Dec 93 Volume 93 : Issue 138

Today's Topics:

 "Toys in the attic"
 best steal antenna? (2 msgs)
 Help! Xmas AM Antenna
 How do you couple to a "Quad" ?
 Hustler 4BTV query
 LADDER LINE
 Phone No. for Andrew Cable wanted.
 Suggestions for HF condo antennas?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 8 Dec 1993 01:06:25 GMT
From: ucsnews!sol.ctr.columbia.edu!emory!europa.eng.gtefsd.com!
howland.reston.ans.net!vixen.cso.uiuc.edu!usenet.ucs.indiana.edu!master.cs.rose-
hulman.edu!news@network.ucsd.edu
Subject: "Toys in the attic"
To: ham-ant@ucsd.edu

Howdy,

I worked a guy using a Slinky in his attic the other day. It's been a
long time since I've heard of someone using a Slinky. His wasn't the
commercial model, but was homebrewed from the toy.

He has two of them in his attic. Uses a 941-D and balanced output.

It worked very well.

73 de Jack, K9CUN

Date: 6 Dec 1993 22:56:15 GMT
From: organpipe.uug.arizona.edu!news@uunet.uu.net
Subject: best stealt antenna?
To: ham-ant@ucsd.edu

What would be my best option for a hidden antenna?
I have a span of 20" at height of 17'.

Dipole, with ladder line, to mfj949d tuner, or

end fed (short) long wire with pi net for a single band.
(if so, what band for stateside cw ragchew, given height limitations?)

thanks,
Joe WB8CVF

Date: 8 Dec 1993 04:45:35 GMT
From: ucsnews!sol.ctr.columbia.edu!usc!venice!wp-sp.nba.trw.com!
newswire.etdesg.trw.com!wayne@network.ucsd.edu
Subject: best stealt antenna?
To: ham-ant@ucsd.edu

>What would be my best option for a hidden antenna?
>I have a span of 20" at height of 17'.

Joe, I assume that you have a 20 ft span. The dipole with ladder line is a good option. The end fed wire will probably need a ground, which you may not have. The end fed wire may have a voltage maximum at the feed point, which can cause induced problems. To find out where the maximum is, just assume a voltage maximum at the end, and a half wave back will be another one.

If you have the room for a square loop in the attic, just suspend it with twine and insulators from nails in the rafters. Feed the loop with coax, as short as possible, and use a tuner. If you have 20 ft square available, it would hold a 16 ft per side 20 meter loop, which should work well on 20 and above, and will provide some use down to 40 meters.

--wayne W5GIE wayne@howard.nafb.trw.com
(insert disclaimer here)

Date: 9 Dec 93 18:14:30 GMT
From: baobab.cadif.cornell.edu!MIKE@tcgould.tn.cornell.edu
Subject: Help! Xmas AM Antenna
To: ham-ant@ucsd.edu

Hi,

I don't usually read this group, but I have a question that perhaps the wizards here could help me with...

It's time to find an Xmas gift for my Mom and we've found that she really enjoys listening to AM radio but the reception is poor. I want to get her something that will improve her reception and a good antenna seems to be the way to go.

We can spend maybe \$100. What should we do?

Please respond via Email (mike@cadif.cornell.edu). Thanks...

- Michael Chase

Date: 6 Dec 1993 23:35:45 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
usenet.ins.cwru.edu!agate!etch-eshop.Berkeley.EDU!ron@network.ucsd.edu
Subject: How do you couple to a "Quad" ?
To: ham-ant@ucsd.edu

Hello

I have a question about a " Quad " antenna. What method of coupling is usually used ?

My old 1978 handbook shows it being driven off the end of 75 ohm coax, with a formula of $L = 251 \text{ over } f \text{ in Mhz}$. L being the distance to the transitter.

I'm a little confused.

ron@etcheshop.Berkeley.EDU

Date: Wed, 8 Dec 1993 05:31:08 GMT
From: ucsnews!sol.ctr.columbia.edu!spool.mu.edu!umn.edu!maroon.tc.umn.edu!
roban001@network.ucsd.edu
Subject: Hustler 4BTV query
To: ham-ant@ucsd.edu

I have an older (70's) Hustler (perhaps Cushcraft, but I don't think so) four- or five-band trapped vertical, called either the 4-BTV or 5-BTV, respectively. I lost the instruction manual years ago and I wonder if anyone would have one or a facsimile thereof. In particular, I need to know Hustler's recommendations for the tuning lengths, as well as the radial wire arrangements called for.

I realize that my request is rather vague, but hopefully some Hustler owner can set me straight.

Thanks,

Philip K. Roban n0etx
roban001@staff.tc.umn.edu

Date: Fri, 3 Dec 1993 13:06:34 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!torn!nott!cunews!
freenet.carleton.ca!Freenet.carleton.ca!ae517@network.ucsd.edu
Subject: LADDER LINE
To: ham-ant@ucsd.edu

In a previous article, zardo@ornews.intel.com (Jim Garver) says:

>
>My limited experience with 300 ohm twin lead is that it changes
>characteristics drastically when its wet. I can tell this by changes
>in the tuning on my Matchbox as well as some trouble getting a match
>when its wet. The 450 ohm stuff seems much better in this respect.
>
I bought some 300 ohm "ladder line" at the last flea market I attended. This is about the same size as TV twin lead, but has "windows" cut in the dielectric. I haven't used it yet. Does this stuff exhibit the same VF and losses as the TV twinlead? I would assume it would have a higher VF than the solid dielectric TV twinlead.

tnx de ve3uav/aa8lu

--

Date: 3 Dec 1993 13:47:39 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!caen!downmac165.engin.umich.edu!
user@network.ucsd.edu
Subject: Phone No. for Andrew Cable wanted.
To: ham-ant@ucsd.edu

In article <CHEyJI.AEC@cyberspace.org>, n8nxf@cyberspace.org (Klaus) wrote:

>
> Could someone please post me the phone number for Andrew Cable?
> The folks who sell Heliax, connectors, etc. I want to get some
> decent cable/connectors on a RF data link here.
>
> Thank you!

Customer Support Center: (800) 255-1479
Technical Support Hotline: (708) 349-5900

Date: 8 Dec 1993 04:58:36 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!usc!venice!wp-
sp.nba.trw.com!newswire.etdesg.trw.com!wayne@network.ucsd.edu
Subject: Suggestions for HF condo antennas?
To: ham-ant@ucsd.edu

:I am helping a new ham install an HF radio setup in her condominium/townhouse.

:External antennas are prohibited. That leaves her attic. The attic is about
:25' by 35'. I've considered hanging a 15/10 meter dipole (or, more likely,
:inverted vee) from the peak of the roof in the attic. This would get her
:onto 10 and 15. (She's a new Tech +).

The best indoor antenna I have used, was described in QST under
the name of "Loop Skywalker". It is a full wavelength square
loop, oriented with the plane of the loop parallel to the ground.
My loop is for 15 meters, and does well on 10 meters also. It
works "OK" on 20, and so-so on 40. I feed it with a tuner and do
not worry about SWR.

If your friend's townhome will hold a 20 meter loop, 16 ft or so
per side, I would definitely recommend it. Suspend the loop using
insulators and twine, with nails driven into the rafters for support.

--wayne W5GIE wayne@howard.nafb.trw.com
(insert disclaimer here)

--wayne wayne@howard.nafb.trw.com
(insert disclaimer here)

ZZ

Date: Tue, 7 Dec 1993 23:37:00 GMT
From: nevada.edu!jimi!envoy!equinox!arthurj@uunet.uu.net
To: ham-ant@ucsd.edu

References <1993Dec2.012544.22087@news.unr.edu>, <N4HY.93Dec2111528@tang.ccr-
p.ida.org>, <CHLH0v.D4x@iat.holonet.net>
Subject : Re: First antenna for 160 meters

At the advice of another reader of this newsgroup, I just put up a modified 1/4 wave vertical with ONE counterpoise wire, at about 10 feet above ground and it seems to give good results.

I have a 90' crank-up tower and I put up an inexpensive (~\$50) 40' guyed mast (from Radio Shack) at a distance of about 60 feet from the main tower. The vertical radiator starts from an insulator on the side of my house about 10 feet above ground, goes out to an insulator on a piece of rope extending from the top of the RS mast at 40' above ground, then continues upward to another insulator connected by rope to the top of the 90 foot tower. So it resembles a 'half-diamond.' The counterpoise wire makes about a 90 degree bend at one place but does not 'double back on itself.'

I cannot make comparisons here, but this antenna allowed me to work about 10 states during a couple of hours of casual operating during the 160 m

contest last weekend. It does eliminate the cumbersome problem of many
ground radials...

73, AA7UT

End of Ham-Ant Digest V93 #138

